

# zoom**bak**™

## Universal A-GPS Locator User Guide



**Zoombak Services**  
**Universal A-GPS Locator**  
**[www.zoombak.com](http://www.zoombak.com)**

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## Introduction

Thank you for purchasing the Zoombak™ Universal A-GPS Locator. Zoombak is focused on the development and marketing of breakthrough mobile communications solutions that leverage the power of wireless technology and location-based services to provide people with new ways to connect to each other and their world.

This Guide will introduce you to all of the features of your Zoombak Universal Locator device. If you have any questions, please contact Zoombak Customer Care at 1-877-4ZOOMBAK or visit our website at [www.zoombak.com](http://www.zoombak.com).

In addition to this Zoombak Universal Locator User Guide, the Zoombak Universal Locator Quick Start Guide, along with other detailed instructions on how to activate and use your Zoombak service, can be found on our website at [www.zoombak.com](http://www.zoombak.com). The Quick Start Guide will briefly walk you through activating and using your service, and setting up your safety zones and alerts.

Please read this Zoombak Universal Locator User Guide and the Quick Start Guide before setting up your account prior to use. Activation and use of the Zoombak Locator are subject to Zoombak's customer agreement, plans, terms and conditions, which can be found at [www.zoombak.com](http://www.zoombak.com).

The Zoombak Universal Locator User Guide is divided into five main sections:

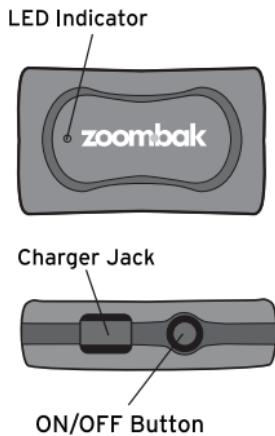
- Section 1. Getting Started
- Section 2. Using the Universal Locator
- Section 3. Safety and Warranty Information
- Section 4. Contacting Customer Care
- Section 5. Specifications and Certifications

# Getting Started

This section addresses two primary areas:

- Zoombak Universal Locator Features
- Zoombak Universal Locator Package Contents

## Front/Aerial View of Locator



## Key Functions

- Charger Jack—Connects the Zoombak Universal Locator to the AC Wall Charger (included)
- Locator Status LED Indicator—Allows you to monitor (at a glance) the power and battery status of your Zoombak Universal Locator

## Zoombak Universal Locator Package Contents

When you purchase the Zoombak Universal Locator,  
the package should contain the following:

- Zoombak Universal Locator
- Zoombak Universal Locator Pouch
- AC Wall Charger
- Car Charger
- Zoombak Universal Locator User Guide and Quick Start Guide



Zoombak Universal Locator



AC Wall Charger



Car Charger



Universal Pouch

If any of these items are missing from your package, please contact Zoombak Customer Care at 1-877-4ZOOMBAK.

## Using the Universal Locator

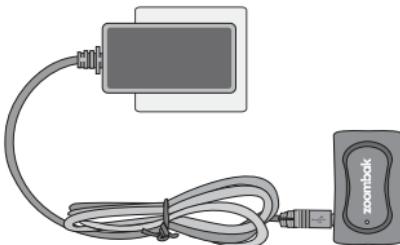
This section addresses seven primary areas:

- Charging the Battery
- Battery Life
- Powering the Universal Locator ON/OFF
- Monitoring the Universal Locator Status
- General Usage Tips
- Placing the Locator on Your Dog
- Placing the Locator in Your Car

## Charging the Battery

Before activating and using the Zoombak Universal Locator for the first time, you will need to fully charge the battery. Follow these simple instructions to charge the battery. The initial battery charge time will be 6 hours; each subsequent battery charge will be approximately 4 hours.

1. Remove the Zoombak Universal Locator and AC Wall Charger from the Zoombak Universal Locator package.
2. Plug the AC Wall Charger into a wall outlet.
3. Attach the Zoombak Universal Locator to the AC Wall Charger via the USB Charger Jack on the Zoombak Universal Locator.



4. The Locator Status LED Indicator will glow amber (yellow-orange), indicating that the Zoombak Universal Locator is charging.
5. Once the Locator Status LED Indicator glows green, this will signal that the Zoombak Universal Locator is fully charged.

## Battery Life

Mode	Battery Life
Standby	Up to 120 hours or 5 days
Active Locator Service	Up to 150 Location Requests

Battery life depends on several factors including temperature, network, signal strength and Locator service features used. Location requests include the following Zoombak Locator service features: "Find Now," "Safety Zones" mode and "Continuous Tracking" mode. When your Zoombak Locator indicates low battery (blinking amber LED), recharge your battery as defined in the previous section titled "Charging the Battery."

Rechargeable batteries have a limited number of charge cycles and may eventually need to be replaced. **The Zoombak Locator battery is not user replaceable; it can only be replaced by an authorized service provider.** For more information on battery replacement, please contact Zoombak Customer Care at 1-877-4ZOOBAK .

## Powering the Universal Locator ON/OFF

In order to power the Zoombak Universal Locator ON or OFF, follow these simple instructions:

1. Power ON—Press and hold the Power Button until the Locator Status LED Indicator begins to glow (approximately two seconds). Blinking green indicates operation OK.
2. Power OFF—Press and hold the Power Button until the Locator Status LED Indicator begins to flash quickly (approximately two seconds). Locator Status LED Indicator will shut OFF when the Locator has properly shut down. A key feature of your Zoombak Universal Locator during the power OFF process is that the Locator will determine its current location and send a power OFF notification via email and/or mobile text message with its current location and time/date information (see the Zoombak Universal Locator Quick Start Guide for details on setting up your alerts). The Locator Status LED Indicator will continue to blink during the power OFF process, which may take up to 2 minutes to complete this important notification feature.

## Monitoring the Universal Locator Status

Refer to the following list in order to determine the status of your Zoombak Universal Locator LED Indicator at any time.

BLINKING GREEN	Indicates Power ON
BLINKING AMBER (YELLOW-ORANGE)	Indicates Low Battery
GREEN	Indicates Fully Charged (When Charging)
AMBER (YELLOW-ORANGE)	Indicates Charging
NO COLOR	Indicates Power OFF or Battery Needs to Be Charged

## General Usage Tips

GPS devices work by receiving satellite signals from the open sky. For optimal operating conditions, your Zoombak Universal Locator needs to be in clear, unobstructed view of the sky in order to have a line of sight to a group of satellites.

When placing the Locator in an item such as a briefcase, luggage, or backpack, please ensure as far as possible that there is no solid material (eg. metal objects) above or surrounding the Locator which may block or weaken the signal it receives from the sky.

GPS satellites are in constant motion, rising and setting. Under certain conditions this means a location position that was obtainable fifteen minutes ago in a specific location may not be obtainable in the next try. In this instance there is no fault with the device. Please wait a while before trying to obtain a new location.

## Placing the Universal Locator on Your Dog

In order for the Zoombak Universal Locator to help locate your dog, the Locator must be attached to your dog's collar. The Zoombak Universal Locator is not recommended for dogs under 15 lbs. Follow these simple instructions to attach the Zoombak Universal Locator to your dog's collar:

1. Place the Zoombak Universal Locator in the Zoombak Pouch, as shown.



2. Once the Zoombak Universal Locator is in the pouch, attach the Zoombak Universal Locator Pouch to your dog's collar through the strap on the rear panel of the pouch. Please note that the pouch will attach to any type, form or size collar.
3. To detach the Locator from your dog, simply remove the Zoombak Universal Locator from the pouch using the zipper, without removing the entire pouch from your dog's collar.
4. If your dog scratches at the Zoombak Universal Locator, allow him/her time to get accustomed to wearing it. There may be an adjustment period.

## Placing the Locator In Your Car

The location of your Universal Locator device is critical to the successful operation of the locator service. To ensure proper operation, Zoombak recommends the device be placed in one of the following locations for best performance:

- In glove box
- In center console

If you prefer to install your Zoombak Universal Locator in your car or other vehicle, you can purchase a Zoombak 12 Volt DC Car Charger, Installation Kit at [www.zoombak.com](http://www.zoombak.com).

Use only Zoombak branded original chargers and accessories intended for use with your Zoombak Locator. Other chargers and accessories may not be designed to the same safety and performance standards.

For details of companies who can provide an installation service for your Locator, please visit [www.zoombak.com](http://www.zoombak.com).

If you choose to install your Zoombak Universal Locator using the Zoombak 12 Volt DC Car Charger and Installation Kit, please review carefully the Zoombak Car Locator Installation Guide before installing and using your Zoombak Universal Locator.

The Zoombak Car Locator Installation Guide can be found at [www.zoombak.com/install](http://www.zoombak.com/install).

The Zoombak Universal Locator is also perfect for use in motorcycles, ATVs, boats and bicycles.

# **Safety and Warranty Information**

This section addresses six primary areas:

- Safety Information
- FCC Regulations
- Reduction of Hazardous Materials (RoHS)
- Specific Absorption Rate (SAR)
- Warranty Information
- Water Resistance

## **Safety Information**

Your Zoombak Universal Locator contains a Lithium Ion (LI) battery pack. Leakage of ingredients contained within the battery pack or the combustion of ingredients can cause personal injury to you, your dog, your vehicle, as well as damage to your Zoombak Universal Locator. If battery leakage occurs, avoid contact with skin. If contact occurs, immediately wash thoroughly with soap and water. If liquid leaking from battery pack comes in contact with your eyes, immediately flush your eyes thoroughly with water and contact your doctor. In case of ingestion, immediately contact your doctor and/or go to the emergency room of your nearest hospital.

If the battery leaks into your dog's fur, immediately wash the affected area with soap and water and wrap the area to prevent the dog from licking the leakage from their fur. If liquid leaking from the battery pack comes in contact with your dog's eyes, immediately flush them with water and contact your veterinarian. If your dog ingests battery fluid, DO NOT induce vomiting (as this can further damage your dog's GI tract). Should ingestion occur, immediately contact your veterinarian or ASPCA Animal Poison Control Center at 1-888-426-4435. Please note that there is a \$55 consultation fee associated with contacting the ASPCA.

## To avoid battery leakage:

- Do not expose battery to excessive vibration, physical shock or liquids.
- Do not disassemble, attempt to repair or deform the battery.
- Do not dispose of battery pack in fire.
- Do not peel or damage the battery label.

## FCC Regulations

This Locator complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This Locator may not cause harmful interference, and (2) this Locator must accept any interference received, including interference that may cause undesired operation.

This Locator has been tested and found to comply with the limits for a Class B digital Locator, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## **Zoombak Locator Disposal and Recycling**

### **CAUTION:**

**RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.**

You must dispose of the Zoombak Locator properly according to local laws and regulations. Because the Zoombak Locator contains electronic components and a battery, the Zoombak Locator must be disposed of separately from household waste. When the Zoombak Locator reaches its end of life, contact local authorities to learn about disposal and recycling options. See [www.zoombak.com](http://www.zoombak.com) for more information.

## **Reduction of Hazardous Materials (RoHS)**

This Locator does not contain lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyl (PBB) or polybrominated diphenyl ether (PBDE).

## **Specific Absorption Rate (SAR)**

Your Zoombak Universal Locator is a radio transmitter and receiver. It does not exceed exposure limits set by the Federal Communications Commission (FCC) and international guidelines established by the independent scientific organization ICNIRP.

The exposure standard for wireless devices uses a unit of measure called Specific Absorption Rate (SAR). The SAR limit set by the FCC is 1.6 W/kg. The SAR limit set by ICNIRP is 2.0 W/kg averaged over 10 grams of tissue. Tests for SAR are conducted at standard operating positions with the Locator transmitting at its highest power level over all frequency bands. The actual SAR level of an operating Locator can be below the maximum value because the Locator is designed to only use the power level required to reach the network.

## **Limited Warranty**

### **What This Warranty Covers**

This limited warranty covers defects in materials and workmanship in your Zoombak Locator device for one year from the date of purchase. Zoombak, at its sole election, will repair your device or will replace your device with a new or refurbished unit. Devices replaced under this warranty become the property of Zoombak. Replacement devices are warranted to be free from defects in materials and workmanship for 90 days or the remainder of the Limited Warranty, whichever is longer.

### **What This Warranty Does Not Cover**

This Limited Warranty does not apply to devices used for commercial purposes and does not cover defects or damage caused by accident, misuse, abuse, neglect, fire, water, other acts of nature, power surges, unauthorized or improper modifications or repairs, improper maintenance, usage not in accordance with the product instructions, improper installation, or usage or storage in unsuitable physical or operating environments.

### **How To Obtain Service**

1. Call Zoombak Customer Care toll free at 1-877-4ZOOMBAK for return instructions. Customer Care is available 24 hours a day, 7 days a week.
2. After you provide the customer care representative with your email address, your account number and your account password, Zoombak will provide you with the forms and instructions for returning your device.
3. You must ship the device in the original packaging, and you must include the original packing slip and all items that shipped with the device.
4. Attach the prepaid return shipping label and return by mail.

## **Out of Warranty Repairs**

If the warranty period has expired, you may be able to obtain repair or replacement service for an additional fee. Please call Zoombak Customer Care at 1-877-4ZOOBAK or visit our website at [www.zoombak.com](http://www.zoombak.com) for more information about out-of-warranty repair and replacement options.

## **LIMITATIONS OF LIABILITY**

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This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

## **Water Resistance**

The Zoombak Universal Locator has a water resistance rating of IPX6. The Locator will continue to function when subjected to splashes of water. This Locator is not waterproof and will not function when submerged in water. If using your Locator on your dog, DO NOT allow your dog to swim with the Zoombak Universal Locator.

## **Contacting Customer Care**

Need help troubleshooting or operating your Zoombak Universal Locator? Contact Zoombak Customer Care via the internet at [www.zoombak.com](http://www.zoombak.com) or call toll free 1-877-4ZOOMBAK, Monday - Sunday, 24 hours a day (times subject to change) to speak to a Customer Care representative.

# Specifications and Certifications

This section provides the following detailed Specifications and Certifications:

- Universal Locator Specifications
- Certifications
- AC Wall Charger Specifications
- Car Charger Specifications

## Universal Locator Specifications

Feature	Specification
Size	70 x 38 x 19mm
Weight	2.5 ounces
Frequency	<p>Model Number ZMBK300</p> <p>GSM 850 = ZB-100 824 - 849 MHz (Tx) 925 - 960 MHz (Rx)</p> <p>GSM 1800 1710 - 1785 MHz (Tx) 1805 - 1865 MHz (Rx)</p> <p>GSM 1900 1850 - 1910 MHz (Tx) 1930 - 1990 MHz (Rx)</p>
Transmit Power	Up to 2W
Battery Voltage	3.7 v
Operating Temp.	-20° C to +60° C
Water Resistance	IPX6

## Certifications

CE	FCC: U2I-ZB100
IC: 6950A-ZB100	PTCRB
CTIA	ETSI
GCF	UL, UK (battery and charger)

## AC Wall Charger Specifications

Input: 90 - 264 VAC, 47 - 63 Hz
Output: 5.4 VDC @ 1.2A, short-circuit protected
Operating Temperature: -5° C to +45° C

## Car Charger Specifications

Input: 8-16 VDC
Output: 5.4 VDC @ 1.2A, short-circuit protected
Operation Temperature: -20 ° C to +85 ° C

## AC Wall Charger Safety Information

Connect the AC Wall Charger only to designated power sources as marked on the product. Make sure the cord is positioned so that it will not be subjected to damage or stress. To reduce risk of electric shock, unplug the unit from any power source before attempting to clean it. The AC Wall Charger must not be used outdoors or in damp areas. Never alter the cord or plug. If the plug will not fit into the outlet, have a proper outlet installed by a qualified electrician. Use only Zoombak branded original chargers intended for use with your Zoombak Locator. Other chargers may not be designed to the same safety and performance standards.

## Important Coverage Information

Our coverage maps provide high-level estimates of our coverage areas when using your device outdoors under optimal conditions. Coverage isn't available everywhere. Estimating wireless coverage and signal strength is not an exact science.

There are gaps in coverage within our estimated coverage areas that, along with other factors (network problems, software, signal strength, your wireless device, structures, buildings, weather, geography, topography, etc.), will result in dropped and blocked connections, slower data speeds, or otherwise impact the quality of services.

Services that rely on location information depend on your device's ability to acquire satellite signals (often not available indoors) and network coverage. Estimated future coverage subject to change.

See [www.zoombak.com](http://www.zoombak.com) for coverage map and details.

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QUICK  
REFERENCE  
CARD



Advanced  
GPS  
Universal  
Locator

[www.zoombak.com](http://www.zoombak.com)